1918

UNITED STATES
DEPARTMENT OF THE INTERIOR
DI-6
APPROVED DECEMBER 1941

	No. STA Inst.	No. STA Ref.	Fst. Bkst.	STAD x/00	Red Bem.	CORR	DIST.	STAD	Bem -50	- HI	Elev	COMMENTS.
											Hub Rebar	
1	[1]	2	Fst	940	92.8		918	9.40	-15	4.15	8.9 4700'	2 IS Tbm AT 4700' Top
2	1	3		1386	98.8		1371	13.86	-11	4.15	3.5 4687.3	3 SE bldg corner L trans N 53° E L. 90' W-39'
3	1	4	"	1628	99.2		1615	16.28	-8.5	4.15	6.3 4699.3	4 ON Ferruno fossil site
4	1	5	"	1774	99.25		1770	17.84	-8.5		5.2 4686.9	5 ON Mackammer fossil site
5	1	6	"	942	96.75		910	9.42	-18		6.3 4668.3	6 IN Foster Fulchair Cr
6	1	7	"	2004	99.42		1996	20.04	- 6		0.3 4724.0	7 Top of "A" SS ? pois NOT
7	1	8	"	1506	99.3		1541	15.56	- 6		11.3 4739.3	8 Top of A SS
8	1	9	"	1444	99.25		1432	14.44	- 7		9.5 4733.3	9 Top of A SS
9	1	10	"	1928	100.1		1936	19.28	+0.5		4.6 4749.4	10 Dorf Inf loc in sh...
10	1	11	"	2148	100.25		2149	21.48	14.5		8.2 4932.3	Top of B SS ledge
11	1	12	"	1224	100.1		1239	12.28	+ 1		6.0 4850.1	top of B SS ledge
12	1	13	"	966	100.02		971	9.66	+ 0		2.4 4841.4	Top of B SS ledge
13	1	14	"	2080	100.7		2222	20.8	+ 6		3.3 4965.4	Pole top on ridge T.P.
14	1	15	"	584	96.8		564	5.84	- 19		2.2 4736.2	Highest shaft on W side of V.
15											4744.7	Top of COAL AT point 15
16												
17												
18												
19												
20												

4743.9

Compu...

1

9.4
15
141
2.9
-143.9
-1700.0
4743.9

2

13.88
-11
-153.0
-3.6
156.6
4843.9
156.6
8743.3

3

7.16
2
14.32
-9.5
-138.8
-6
-144.6
4682.7
4843.9
-161.2
4743.9
144.6
4887.3

4

4843.9
157.0
4686.9
17.84
-7.5
-133.8
-5.2

5

9.42
-18
-169.5
-6.4
175.9
4843.9
-175.9
4668.0

6

1002
2
2004
20.04
-6
120.24
-00.34
119.9
4843.9
119.9
4724.0

7

778
2
1556
1116
-6
-93.3
11.2
104.6
4843.9
104.6
4739.3

8

7.22
2
14.44
-7
101.08
-9.5
110.6
4843.1
110.6
4733.3
16.4
20.4
3.3
121.5
4843.9
4965.4

9

9.6W
2
19.28
.05
.9640
+9.6
4.1
5.5
4843.9
4849.4

10

19.74
10.74
2
21.48
21.41
+45
96.6
96.6
-8.2
88.4
4843.9
4932.3

11

6.14
2
12.28
12.28
1
12.28
12.28
-6.06
6.22
4843.9
4950.1

12

483
9.6
4843.9
215
4941.4

14

5.84
-18
105
-105
42.2
147.2
4936.3

(2) If Top of #2 #3 Coal

Height. I at STA 1

=

141
+ 2.9
4700
4843.9

4843.9
- 4.2
4839.7

Top of Coal + 4.2 - 5.9

4727.8
5.1
4931.7

11.00

+ 114.0
- 4.6
109.4

4931.7
- 36.96
4894.74
- 109.4
4785.34

	No. Sta. Inst	No. Sta. Ref	If Sta. Ref (B) Kss	Stad ÷ 100	Hor Bem.	Dist.	Stad.	Vert. Bem -55	HI	Table Elev.	HT on Bol.	Elev.	Comments
15	16	14	B	16.00	91.7	1597	16.00	+3	3.75	4927.8	-10.4	4965.4	T.P. Table elev 4701.1
16	16	11	B	15[illegible]	79.4	1531	[illegible].94	-6		4935.7	-3.5	4839.7	T.P. on old Table Site
17	16	17	F	10.10	97.1	982	10.16	-16		4931.7	-10.3	4776.6	Cent. Disk 4.3 below base
18	16	11	F	10.61	99.15	1052	10.61	-9		4931.7	-1.2	4835.0	Erlin Dorf 6 Site
19	16	19	F	10.78	99.1	1070	10.78	-9			-2.18	4831.5	Palm ledge AT Palm lev
20	16	20	F	11.22	99.13	1112	11.22	-9			-2.16	4838.1	McClammer Q1 Site Switch
21	16	21	F	758	94.5	716	7.58	-23			-6.45	4751.0	Near x of Fences
22	16	22	F	13.54	99.45	1348	13.54	-5		4931.7	-7		Floor of Foster Strip M.
23	16	23	F	16.36	99.85	1632	16.36	-1.5		4931.2	-6		To STAMP IAD RA-22
24	16	24	F	13.84	99.15	1380	13.84	-9			-2.24		To bottom of Foster Strip.
25	16	25	F	866	98.75	856	8.68	-11.5			-4.2		To bot. " "
26	16	26	F	444	96.7	443.5	4.49	-11.0			-5.18		To bot of " "
27	16	27		552	99.2	547	5.52	+6.		4931.7	-7.2	4968.66	T.P.
28	18	28	B	1520	99.2	1508	15.2	+7.5		4959.3	-4.6	4968.66	
29	18	14		2180	99.4	2164	2180	+55		4860.3	-14.9	4965.4	
30	14									4859.8			
31													
32													
33													

Comments.

15

16

17 At Coal Mine DP is 4' below [illegible] not

18

19 IN 8/11/57. At Palm Level

20

21 Gulch 11.5' w/n fence line 3.5' below p. 21

22

23 Sample [illegible] NW of [illegible] 23

24

25

26

27

28

29

4965.4
37.6
1927.8

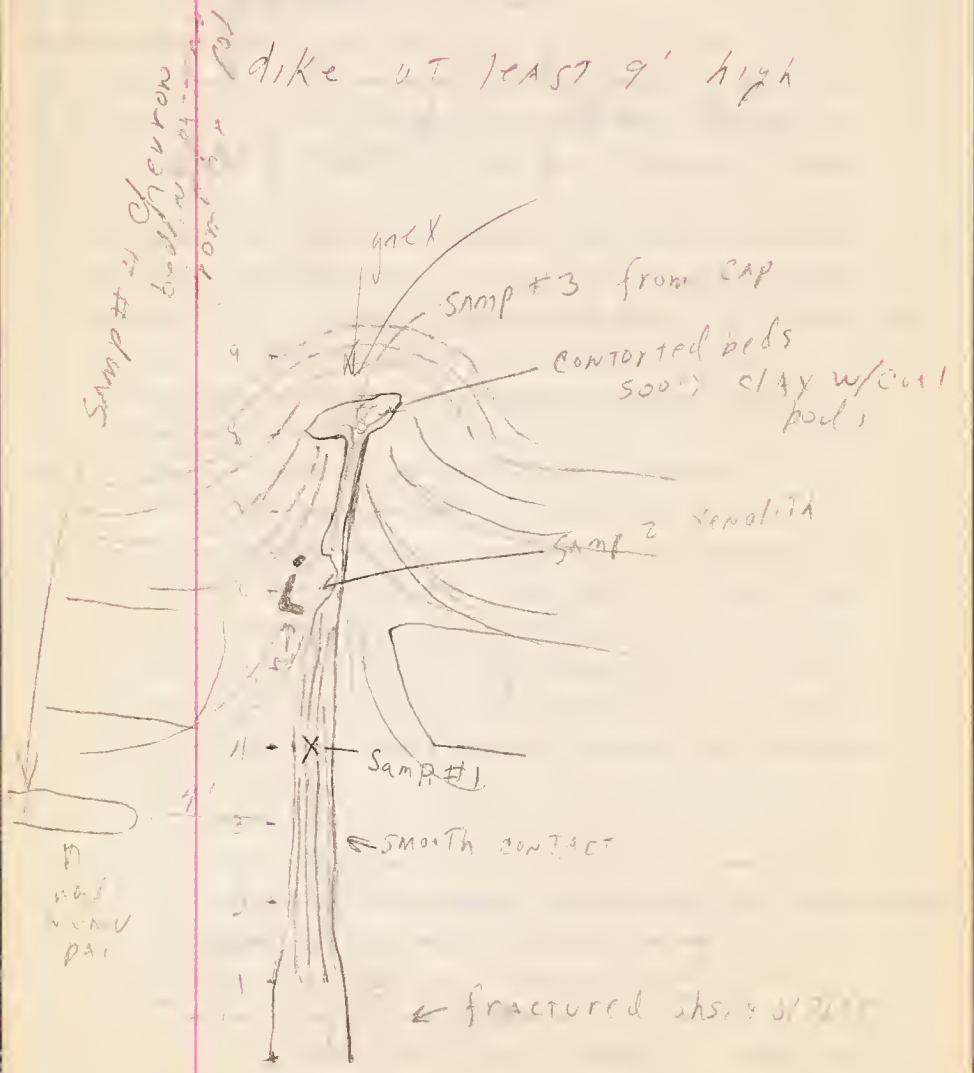
Compts.

4931.7

15 7.5 15 / 15 00 45 / 4936.7 10.4 / 34.6 37.6 / 4701.1 4965.4 / 34.3 / 4931.7	16 7.5 / 15.4 -6 / -92.5 -96.0	17 10,10 4931.7 / -16 165.1 / -1616 4776.6 / -3.5 / -105.1	18 11.0 4931.7 / 22 4835 / 10,78 / 10,61 -95,49 / -9 -1.2 / -95.49 91.69	19 4931.7 / 10,78 99.8 / -9 4831.9 / 97,00 / -2.8 / 99.8
20 .78 4931.7 -103.6 / 11.2 4838.1 / -9 / 100.98 / -101	21 9.00 / 1.62 4931.7 / 7.58 180.6 / 94.5 4751 / 7.58 / -23 / -174.2	22 8.00 / 1.23 4931.7 / 77.0 / 5005.7 / 1.54 / -5 / 4777.9	23 10.00 4931.7 / 1.72 / 8.18 / 2 / 1636 / -24.6 / -6 / 20.6	24 9. / 2. / 6.72 / 139
25 11.00 / 5.48 / 5.52	26	27	28	29
30	31	32	33	

715

Coal Dike at Foster Mine



Also

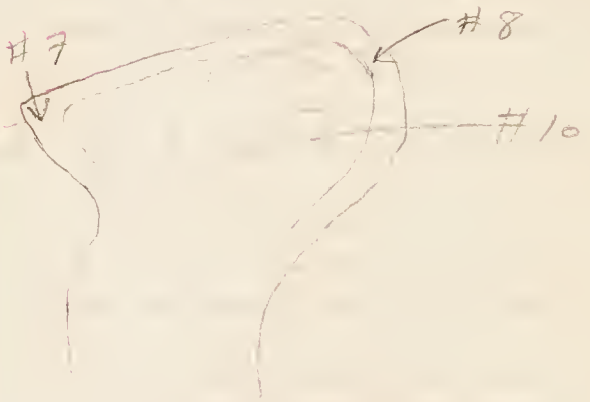
USNM
14165

Sample 7152

#5 from grey shale directly above cap.
4" above

#6 from yellowish upturned shale

Top of Dike.



Outer coaly zone 1/4" to 2" thick in beak

Inner fibrous core with chevron folds - rays between rings

7152

#7 outer scaly layer from beak of Dike Cap.

#8 Outer scaly layer from back of head

#9 Inner core loose pieces from

#10 Head core oriented sample from rear 12

#11 From base of 7152 #10 includes pieces petrified wood

#12 from neck 6" below head

#13 Some spheroidal fracturing noted

#14 Gab sample from 4½' below base of head

2" above base dike pinches to 0 1.2' from face left wall w long. grooves 1/2" wide 1" apart

7152

#15 Miscellaneous samples from lower 1-2' of DIKE

10/3/71

71-54 (Doyle seg)

1st SAND PIT W-ON Engineer Road, QUANTICO MARINE BASE Pr. Wm. Co., Virginia.

S float

sand pit

N

pit on west side

10/9/-11

STAFFORD MS-9 Miss.

Dade 11-61 62

Sidewall [illegible] 30 Va

[illegible] FT W. of [illegible]

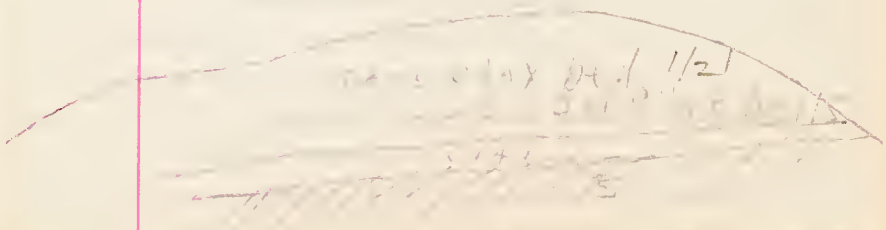
1½ FT of [illegible] dipping laminated Vfg SS & [illegible]

Below this [illegible]

CAIB TRASH zone above [illegible] FT. down [illegible]

mileage at start 74878

No recog pl fossils



Fresh water

Fossil leaf

STEAMBOAT

11/21/71 C-Cold.

Drewry's Bluff
SE of Richmond

80' of Potomac Fm in
vert Cliff at
Oil Terminal.

D. No. 71-102

Clay ball in Conglomerate

71-103

Drewry's Bluff Sect

0' Mean wave base in cliff

Conglomeratic Arkosic grit with rare clay balls
Sample 71-102
occs. at wave base

Clay balls up + a' in dia
Qtz + ite
+ badly rotted sed fx
Sh. - ss
Ron cem. layers
1+ Do'
1+ Do' Rg. of sizes 1 - 6 inches.
x bedded.
1 do' ls pebbles Also Gneiss & schist pebbles rotten
1 do' well x bedded.
27.5' 1. Arkosic x bedded sand.
2 29' begin to find STRINGERS of Cnd clay in x bedd'd s.
30.5 Varia grey lens clay w irreg
TRANS lower CONTACT

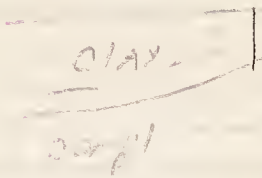
Drewry's Bluff Sec 23.

31.5 D. 71-103 SAMP WITH DOWNCUTS

offset by 50' 1' do' CLAY dark grey (white fix.)

1 do' CLAY 36.5 at point 50' NW. of 5' interval CLAY bed rises in this div.

Doyle SAMP 71-104 36.5



ON SECTION

7 CLAY Now med. br. grey with iron stain in fracture more common

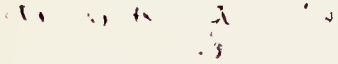
43' 5.-1 IRREG. CONT. between CLAY ~~to~~ med. br. grey W. Carb T.

9 IRON ST. Corgl. above.

50.5 9 UNCONSOLIDATED med GLAUCEY SAND WITH v. br. & YELLOW FE-STAIN

JAY°

61.5.	IRON STAINED ss. (UNCONS. WITH 1 in dark ferr CRUST AT TOP
2	UNCONS. CONT'L WITH MUCH CLAY.



Drewrys

Congl to +2 1/2 INT.

SAND TO 4 INT - 3 IN.
Clay to 5 INT. TO LAMINATED SAND.

71-106 - 4 INT. + 2.5 IN.
STICKS &

71-109 - 5 INT - 2 1/2 ft.

71-110 - 5 INT - 1 1/2 ft.

6 INT + 1' top of LAMINATED SAND. LAMINAE are CARB TRASH.

" then bed of SAND ~~GRIT~~ COARSEning upward INTO congl.

8. "AQUIA"? Green SAND STAINED red. from iron.

8 + 1' Pebbles & well bedded congls of Plasy?

30 feet TO TOP

71-111 - 3I +2.5'
Megafossils
Ferns
Poss. Angiosperms - "Hydrocotylophyllum
.Lusitanicum Type.

71-112 - Between Rich. Yacht Cl
& Dutch Gap Large Gulley
Cuts thr. dbt 30" light Grey
Fine SS. on NW Side gulley leaf? x bedded

DUTCH GAP CANAL NW SIDE

6 3 feet

3 feet

71-113 Direct NOSE of
D.G. CANAL

North nose of B.C. Canal
Stmp. 71-115 Bl. clay

-3 Black clay

Fern, Gymno frags.

+4' +3.5 Sngl. Cl rotten Granite
clay pebbles, Kaolite
limestone pebbles
8" of Arkose Grit at
base
3.5' 71-114

+9

10

10'

21 Stmh a sngl

Dutch Gap Canal South side

fossil 71-116 fmen?

clay interbeds in arkosic ss.

Top of cliff l. grey

11/22/71

Dutch Gap South Side

USNM loc. 22500

Everything above 15' in cliff is chaffin Bluffs facies. Congl. & lithrex sandstone

11-(11) -2 feet below water base on N. side of Black Dirt [illegible]

Loc. 79607

Zink Brothers.

79100 C - Drewrys

71-66 United Clay Bluff Mine

JAD 71 - 61/62 Dutch Gap Dutch Cb

JAD 71 - 46/47 " " " "

~~JAD 71-104 Dutch Gap~~

JAD 71-107 • Dutch Gap?

JAD 71-105 " " "

JAD 71-102 " " "

JAD 71-108 " " "

JAD 71-103 " " "

JAD 71-106 " " "

JAD 71-110 Drewrys Bluff

JAD 71-111 Drewrys Bluff

Potomac Dist

71-112 Dutch Gap. JAD

71-117 Dutch Gap JAD

71-114 Dutch Gap. JAD

72 -